

Table of Contents

Cover Sheet.....	i
Summary.....	iii
Table of Contents.....	xi
List of Figures.....	xiii
List of Tables.....	xiv
List of Abbreviated Terms	xv
Chapter 1 Purpose and Need	1
1.1 Introduction.....	1
1.2 Project Background.....	4
1.2.1 Project History	4
1.2.2 Community Interaction	5
1.2.3 Existing Roadway	6
1.3 Project Description.....	7
1.3.1 Regional & System Planning.....	7
1.3.2 Traffic Volumes.....	8
1.3.3 Level of Service	9
1.3.4 Safety Issues.....	10
Chapter 2 Alternatives	13
2.1 Alternative Development Process.....	13
2.1.1 Alternatives Considered and Eliminated.....	13
2.1.2 Alternatives Selected for Detailed Study	17
2.2 Project Alternatives.....	18
2.2.1 Build Alternative 1.....	19
2.2.2 Build Alternative 2.....	25
2.2.3 No-Build Alternative	27
2.2.4 Pullouts	27
Chapter 3 Affected Environment, Environmental Consequences, and Mitigation.....	31
3.1 Land Use	32
3.1.1 Affected Environment.....	32
3.1.2 Impacts.....	33
3.2 Social and Economic.....	36
3.2.1 Affected Environment.....	37
3.2.2 Impacts.....	39
3.3 Relocation	40
3.3.1 Affected Environment.....	40
3.3.2 Impacts.....	40
3.4 Pedestrian and Bicycle Facilities	41
3.5 Air Quality	41
3.5.1 Affected Environment.....	41
3.5.2 Impacts.....	42
3.6 Noise	42
3.6.1 Affected Environment.....	42
3.6.2 Impacts	43
3.7 Water Quality.....	44
3.7.1 Affected Environment.....	44
3.7.2 Impacts.....	44
3.7.3 Mitigation.....	45

Table of Contents

3.8 Floodplain.....	46
3.8.1 Affected Environment	47
3.8.2 Impacts	47
3.9 Wetlands.....	47
3.9.1 Affected Environment	47
3.9.2 Impacts	48
3.9.3 Mitigation	49
3.10 Wildlife.....	51
3.10.1 Affected Environment	51
3.10.2 Impacts	53
3.10.3 Mitigation	54
3.11 Threatened and Endangered Species	55
3.12 Vegetation	55
3.12.1 Affected Environment	55
3.12.2 Impacts	58
3.12.3 Mitigation	62
3.13 Historic and Archaeological Resources.....	64
3.13.1 Affected Environment	64
3.13.2 Impacts	65
3.13.3 Mitigation	66
3.14 Hazardous Waste Sites	66
3.14.1 Affected Environment	66
3.14.2 Impacts	66
3.15 Visual.....	67
3.15.1 Affected Environment	68
3.15.2 Impacts	82
3.15.3 Mitigation	90
3.16 Construction	96
3.17 The Relationship Between Local Short-Term Uses of the Environment and the Maintenance and Enhancement of Long-Term Productivity.....	99
3.18 Unavoidable Adverse Environmental Effects	100
3.19 Irreversible and Irretrievable Commitments of Resources	100
Chapter 4 Cumulative Impacts.....	103
Chapter 5 List of Preparers	105
Chapter 6 References	109
Appendix A Environmental Checklist	111
Appendix B Coordination and Consultation.....	121
Appendix C Title VI Policy Statement	125
Appendix D State Historic Preservation Officer Concurrence Letter	127
Appendix E USFWS Species List	133
Appendix F Alternative Maps	137
Appendix G Corps Wetland Determination	139
Appendix H Contract Special Provisions.....	141

List of Figures

Figure 1.1: Project Vicinity Map	2
Figure 1.2: Project Location Map	3
Figure 2.1: PSR Alternative 1	15
Figure 2.2: PSR Alternative 2	15
Figure 2.3: PSR Alternative 3	16
Figure 2.4: PSR Alternative 4	17
Figure 3.1: Annual Average Labor Force for Region	38
Figure 3.2: U.S. Highway 395 Cross-Section-Segment 8	49
Figure 3.3: U.S. Highway 395 Cross-Section-Segment 9	49
Figure 3.4: Proposed U.S. Highway 395 Cross-Section-Segment 8	50
Figure 3.5: Proposed U.S. Highway 395 Cross-Section-Segment 9	50
Figure 3.6: U.S. Highway 395 Cross-Section Post Mitigation-Segment 8	50
Figure 3.7: U.S. Highway 395 Cross-Section Post Mitigation-Segment 9	51
Figure 3.8: Mono Lake Observer Points	69
Figure 3.9: Observer Point 1 Before Construction	70
Figure 3.10: Observer Point 2 Before Construction	71
Figure 3.11: Observer Point 3 Before Construction	72
Figure 3.12: Observer Point 4 Before Construction	73
Figure 3.13: Observer Point 5 Before Construction	74
Figure 3.14: Observer Point 6 Before Construction	75
Figure 3.15: Observer Point 7 Before Construction	76
Figure 3.16: Observer Point 8 Before Construction	77
Figure 3.17: Observer Point 9 Before Construction	78
Figure 3.18: Observer Point 10 Before Construction	79
Figure 3.19: Observer Point 11 Before Construction	80
Figure 3.20: Observer Point #1 After Construction	87
Figure 3.21: Observer Point 2—Retaining Wall Simulation After Construction	88
Figure 3.22: Observer Point 2—Fill Slope Simulation After Construction	88
Figure 3.23: Observer Point 3—Simulated Fill Slope and Retaining Wall	89
Figure 3.24: Observer Point 4—Simulated After Construction	90
Figure 3.25: Observer Point 3 Simulation—After Mitigation	91
Figure 3.26: Alternative Retaining Wall Configurations	92
Figure 3.27: Observer Point 2 Simulation—After Mitigation	92
Figure 3.28: Observer Point 4 Simulation—After Mitigation	93
Figure 3.29: Observer Point 1 Simulation—After Mitigation	94

List of Tables

Summary of Major Potential Impacts from Alternatives	ix
Table 1.1: 2000 Traffic Volumes & 2000 Annual Average Daily Truck Traffic (AADT).....	9
Table 1.2: Five-Year Traffic Accident and Survey Analysis System Table B.....	10
Table 3.1: Ground Disturbance in Hectares (Acres) for Alternatives 1 & 2	34
Table 3.2: Federal and State Special-Status Species	52
Table 3.3: Project Affects on Bat Species	53
Table 3.4: Summary of Project Effects on Special-Status Species	59
Table 3.5: Summary of Habitat Impacts by Alternative.....	61
Table 3.6: Short-term Visual Impact Assessment Summary.....	84
Table 3.7: Observer Matrix	86
Table 3.8: Summary of Proposed Mitigation	95

List of Abbreviated Terms

AADT	Annual Average Daily Traffic
BLM	Bureau of Land Management
Caltrans	California Department of Transportation
CDFG	California Department of Fish and Game
CFR	Code of Federal Regulations
FHWA	Federal Highway Administration
INFS	Inyo National Forest Service
km	Kilometer(s)
KP	Kilometer Post
LADWP	City of Los Angeles Department of Water and Power
LOS	Level of Service
NEPA	National Environmental Policy Act
PM	Post Mile
PSR	Project Study Report
RWQCB	Regional Water Quality Control Board
SWRCB	State Water Resource Control Board
USC	United States Code
USFWS	U.S. Fish and Wildlife Service